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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/614,307

07/02/2003

Hemanshu D. Bhatt

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24319 7590 12/21/2006

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EXAMINER

PRENTY, MARK V

ART UNIT

PAPER NUMBER

2822

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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3 MONTHS

12/21/2006

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/614,307

Applicant(s)

BHATT ET AL.

Examiner

MARK PRENTY

Art Unit

2822

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 November 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) 1-15 and 28-30 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 16-18, 20, 22, 23 and 27 is/are rejected.
- 7) ☒ Claim(s) 19, 21 and 24-26 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 July 2003 and 14 October 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

This Office Action is in response to the response filed on November 16, 2006.

Claims 1-15 and 28-30 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention. Election was made without traverse in the replies filed on January 14, 2005, and April 25, 2005.

Claims 16-18, 20, 22, 23 and 27 are rejected under 35 U.S.C. 102(b) as being anticipated by United States Patent 6,291,872 to Wang et al. (Wang).

As to independent claim 16, Wang discloses an integrated circuit (see the entire patent, including the Figs. 1A-1B disclosure, for example) comprising: conductor layers arranged substantially parallel to an x-y plane of the integrated circuit; insulating layers disposed between the conductor layers; and an inductor formed within the conductor layers and the insulating layers and having magnetic flux lines through the conductor layers substantially parallel to the x-y plane of the integrated circuit upon operation of the integrated circuit, having first and second opposite ends, and having a substantially straight length between the first and second opposite ends.

Claim 16 is thus rejected under 35 U.S.C. 102(b) as being anticipated by Wang.

As to dependent claim 17, Wang's inductor has a substantially coil-shaped configuration.

Claim 17 is thus rejected under 35 U.S.C. 102(b) as being anticipated by Wang

As to dependent claim 18, Wang's inductor includes (see the Figs. 2A-2B embodiment) a first segment 201; and a second segment 205 (or 207) electrically connected to, proximate to and spaced apart from the first segment.

Claim 18 is thus rejected under 35 U.S.C. 102(b) as being anticipated by Wang.

As to dependent claim 20, the first segment 201 of Wang's Figs. 2A-2B inductor has a magnetic flux field in a predetermined orientation upon operation of the integrated circuit; and the second segment 205 (or 207) of the inductor has a magnetic flux field in the predetermined orientation upon operation of the integrated circuit.

Claim 20 is thus rejected under 35 U.S.C. 102(b) as being anticipated by Wang.

As to dependent claim 22, Wang's integrated circuit further comprises an electrical conductor 206 disposed in only one of the conductor layers and electrically connecting the first segment 201 and the second segment 205.

Claim 22 is thus rejected under 35 U.S.C. 102(b) as being anticipated by Wang.

As to dependent claim 23, Wang's integrated circuit further comprises a plurality of segments 201/205/207 of the inductor; and a plurality of electrical connectors 206/208 electrically connecting the segments.

Claim 23 is thus rejected under 35 U.S.C. 102(b) as being anticipated by Wang.

As to dependent claim 27, Wang's Figs. 1A-1B inductor has a substantially rectangular cross-section; the inductor includes horizontal legs 105 and vertical legs 104; the horizontal legs are disposed within the conductor layers; and the vertical legs are disposed within the conductor layers and the insulating layers 103.

Claim 27 is thus rejected under 35 U.S.C. 102(b) as being anticipated by Wang.

Claims 19, 21 and 24-26 are objected to as being dependent upon a rejected base claim, but would be allowable over the prior art of record if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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The prior art of record does not disclose or suggest the allowable integrated circuit as a whole, including the inductor.

The applicant's arguments are moot in view of the new ground of rejection.

Registered practitioners can telephone the examiner at (571) 272-1843. Any voicemail message left for the examiner must include the name and registration number of the registered practitioner calling, and the Application/Control (Serial) Number. Technology Center 2800's general telephone number is (571) 272-2800.


Mark V. Prenty
Primary Examiner